

## ABSTRACT

A constructive arrangement applied to an integrated thermostatic valve attached to its own housing has a hollow tubular-shaped body (1) projecting from a flange (2) with holes (3) for  
5 fixing screws, and a central opening (4) that determines the chamber mouth molded to the cavity  
of the body. There are two opposing lengthwise projections (6), which have a groove (7) near the  
chamber mouth, and another groove (8) near the mouth of the body (1), with the ends of a curved  
plate (9) fitted into the grooves (8). In the grooves (7) are fitted the ends of another plate (11). A  
sheet metal disk (12) is inserted into the internal rim of the mouth (4) of the chamber (5), having  
10 fixed to the end of the thermostatic valve, a washer (14) for supporting the disk (15) that has a  
hole where the terminal of the aforementioned thermostatic valve is housed and moves. This  
disk (15) is subject to the action of a conical spring (16), and has near the top of the thermostatic  
valve a groove, in which a ring (18) is fitted, under which a plate (19) is fixed that supports a  
conical spring (20), and between the upper (9) and lower (11) plates there is a helical pressure  
15 spring (21), and to the side of the chamber mouth there is a circular groove (22) for housing a  
sealing ring.